

AC/DC ENCLOSED POWER SUPPLY 150W



TRS150-12, TRS150-15, TRS150-24,
TRS150-36, TRS150-48



Features:

- Universal AC Input
- Protections: short circuit/overload
- Cooling by free air convection
- 100% pass aging test

Description:

The 150W enclosed power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 5 models with outputs of either 12V, 15V, 24V, 36V or 48V. Each model is RoHS, CE, and UL approved.

SPECIFICATION					
Part Number	TRS150-12	TRS150-15	TRS150-24	TRS150-36	TRS150-48
DC Voltage	12V	15V	24V	36V	48V
Rated current	12.5A	10A	6.25A	4.1A	3.1A
Current Range	0~12.5A	0~10A	0~6.25A	0~4.1A	0~3.1A
Rated Power	150W	150W	150W	147.6W	148.8W
Ripple and Noise	150mVp-p	≤150mVp-p	≤150mVp-p	≤250mVp-p	≤250mVp-p
Voltage Regulation Range	±10.0%				
Voltage Accuracy	±1.5%				
Line Regulation	±0.5%				
Load Regulation	±0.5%				
Turn on time	≤2.5sec				
Hold up time	20ms 230VAC/100% Rated Load				
Input Voltage Range	90~264VAC				
Efficiency	86%	86%	86%	87%	87%
Input Current	2.8A/115VAC 1.6A/230VAC				
Inrush Current	60A/230VAC				
Leakage Current	<3.5mA/240VAC				
Over Current Protection	110 ~ 150% of rated output, auto-recovery				
Short Circuit Protection	Hiccup Mode, auto-recovery				
Over Voltage Protection	112-133% of rated output. Shut down o/p voltage, re-power to recover				
Working Temperature	-30°C ~ +70°C (See derating curve)				
Working Humidity	20 ~ 95%RH (Non condensing)				
Storage Temperature	-40°C ~+85°C				
Storage Humidity	10 ~ 95%RH (Non condensing)				
Temperature Coefficient	±0.03%/°C(0~50°C)				
Vibration	10~500Hz, 2G, 10min/cycle, X, Y, Z 60min in each direction				
Safety Certification	EN62368-1				
Withstand Voltage	I/P-O/P:3.0KV AC, I/P-FG:1.5KV AC,O/P-FG:0.5KVAC				
Isolation Resistance	I/P-O/P,I/P-FG:100MΩ O/P-FG:50MΩ				
EMC (Emissions)	EN55032 Radiated and Conducted Class B, EN61000-3-2, 3				
EMC (Immunity)	EN55035, EN61000-4-2,3,4,5,6,8,11				
MTBF	250,000 hours minimum at full load, 25C, per MIL-HDBK-217F				
Size	159×97×30mm (L*W*H)				
Weight	0.48Kg/pc44pcs/carton				

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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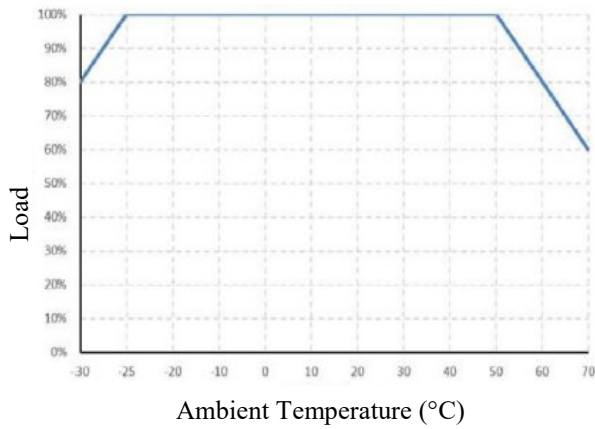
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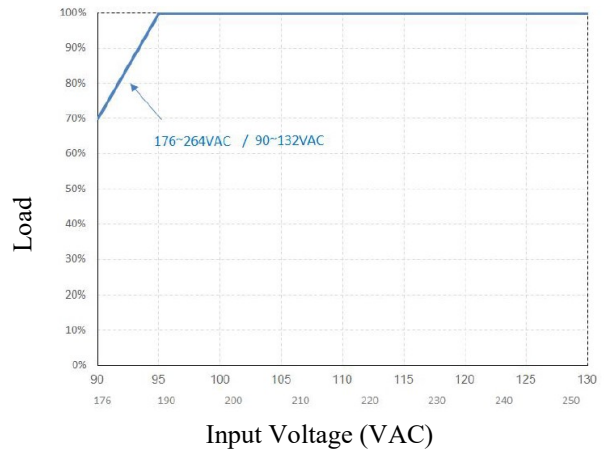
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Diagrams

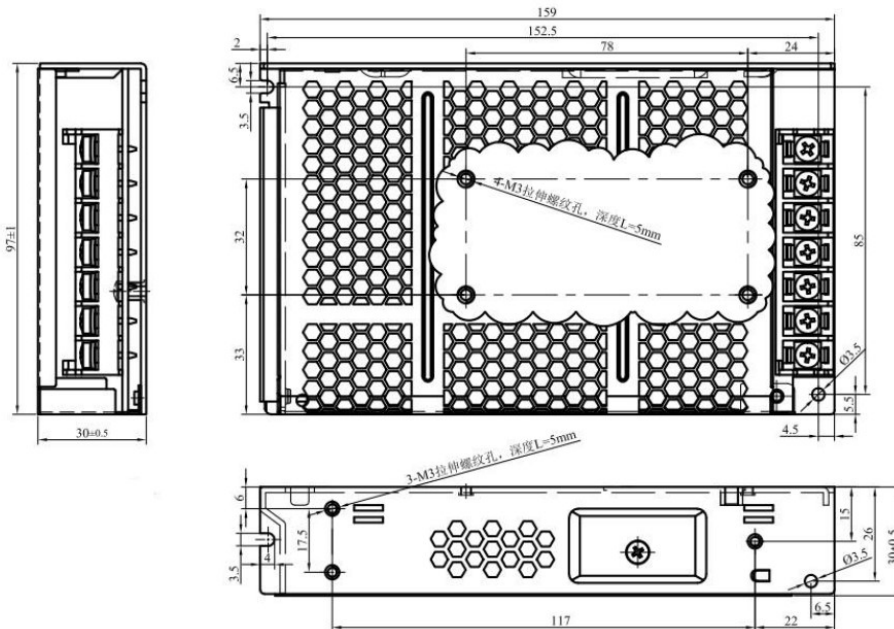
Load vs. Ambient Temperature



Load vs. Input Voltage



Mechanical Drawings



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